Lee @ Lester Recorder

A SMALL ENTERPRISE WELL KEPT

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of the United States Department of Agriculture is Very Flattering.

acres of land.

Grant county on the south of the 5,300 square miles. continental divide, running south. In Senate Document No. 11, ley: into the sand and gravel hed pans "nel is surcharged." at the mouth of the canyons.

With the practice of irrigation ler says: the fattering of live stock will form one of the principal indus el except for the uniform slope here for loading. tries, and will effer inducements towards the river channel, and subdities of fruit raising will no ly doubt result in the erection of canning factories.

advantages are excellent.

The elevation is 4,300 feet above mean sea level. The water sheds of the Mimbres river proper include the west slope of the Black Continental divide, the west slope of Cook's ridge and Hanover and Black peaks, while the Silver City drainage area, which is also con tributary to the Mimbres Valley underflow, includes the south and east slopes of the Pinos Altos. Bear and Ballock peaks, and the east slope of the Burro mountains. The above described drain age area is that which contributes to the Rio Mimbres north of Dem ing, while south of Deming the Cedar Grove range, the Hatchet slope of Cook's ridge, Sierra Magdalena, and many smaller mountains contribute the water from tioned. their slopes into the basin of the Mimbres Valley

It is calculated therefrom that the soil. the catchment area comprising

GOVERNMENT MAKES REPORT the sheds which drain into the A RICH PUMPING DISTRICT other ranches drilling is in pro-Mimbres Valley north and west Extensive Investigations of P. E. Fuller of Deming includes about 2,900 Southwest Trail in Its September Num- already results may be seen on square miles, and of this area about 1,150 square miles is mountainous, having an elevation of 6,000 to 8,000 feet above sea level. The Mimbres Valley proper is The total area which may be conthe terminus of the Munbres rive strued as drainage between the peared in the September number, bus district that its water super, it being an extensive folson or Little Hatchet mountains on the of the Southwest Trail, published ply is absolutely inexhaustible. basin, comprising over 250,000 west and the Portilla mountains by the Rock Island lines, of which and there are surface indications The Mimbres river heads in source of the Mimbres river to clearly sets forth the wonderful pography of the country shows the Black range of mountains in the Old Mexico line, includes possibilities of pumping for irri- Columbus to be near the center

4

which preveats water logging.

tained within the area occupied easing. by the mountain ranges des flow just above the barrier men

There is no evidence of sodium carbonate (black alkali) in any of

(Centinued on Page 5)

ber Exploits the Wonderful Resources of the Lower Mimbres Valley.

The following article which apon the east, from the northern there were 80,000 of this issue, to bear out that theory. The to

whose water is almost totally lost er at King's ranch, 30 miles north Mexico. This town, searcely high annual rainfall. Its su ter

tion standpoint. The heavier boundary. Within the last two yet know what they have. soil, holding the mo sture, while years numerous wells have been the lighter top soil, being more sunk in and around Columbus, acres of cultivable land that will open and porous, receives and with astonishing results. With be enormously productive when transmits the moisture to the an easy lift of from twenty to fif. the water is applied. The rain range, the south slope of the lower soil, which, however, due ty feet wells are being used for fall is too light for successful dry to the slope toward the ri er irrigation that flow from 500 to farming, but a well on a farm channel, and which was found 1,600 gallons a minute. The pumping from 600 to 1,800 galfrom levels to be 15.5 feet per Pierce well, about three miles lons a minute, assures wealth mile, provides excellent drainage from Columbus, has a flow of and independence to the owner. about 1,200 gallons and produces. In fact, there is nothing so inde-Due to the greater coarseness enough water to irrigate 200 pendent as to have your irrigaof the formation at lower depths, acres. There is a lift of only tion supply, in inexhaustible whereby the friction to the flow nineteen feet. Mr. E. A. Pierce, quantities, right on your own is less, and the water plane rises the owner, uses a fifteen horse farm, where your water title canwhen each succeeding stratum is power gasoline engine. His well not be attacked in the courts, and penetrated, it is doubtful if a is 250 feet deep, and the water you can use your water when strong artesian flow could be ob- comes up through an eight inch you need it. The tendency in

and Florida mountains, the east cribed, though it might be possi- there is a well 185 feet fleep in ble to secure a limited artesian which the water comes within three feet of the top. It has a pumped by a gasoline engine. Dozens of other wells in the district have a good flow, which is being used for irrigation, and on

gress. The district is new, but many of the farms. It does not take long for the water to make a showing in a region that has such excellent climatic conditions.

"It is claimed for the Columgation in the lower Mimbres Val. of a vast basin. From the north comes the underflow of the disa distance of 75 miles, thence Fifty-second congress, first ses "Among the districts that get appearing Mimbres river, which continuing east and south some sion, page 224, is given a brief their water by pumping none in drops out of sight soon after it 45 miles, where it terminates in report of the investigations made pressed the investigators more leaves the Black mountains. This the Palomas lakes. Old Mexico. by L. Clapp, ic. C. E., who meas favorably than the lower Mim. stream drains 1.400 square miles It is a notable example of a stream ared the flow of the Mimbres riv back Valley at Columbus. New of mountain country that has a tennderflow; only during the most of Doming. The report says in two years old, is located within a raneau course runs southward torrential floods does it become a part: "The indications for a large short distance of the Mexican through sand and gravel, and it live stream to the southern bonn underground flow are exception boundary. 71 miles west of El outcrops in a chain of lakes just dary line of New Mexico. Many ally good. The lower Mimbres is Paso, on the line of the El Paso & across the international boundcanyons and draws contribute believed to be an underground Southwestern System. It is the ary in Mexico. The first of these their water to the Mimbres un-river; in that case the surface only port of entry between El lakes is but three miles from the derflow from the mountains west water is only the surplus appear Paso and Douglas, Arizona. For town of Columbus. From the of the Mimbres river, percolating ing after the underground chan some years before Columbus south, in Mexico, the drainage is grew into a town it was a cattle also northward, the chain of lakes Referring to the land Mr. Ful shipping point, the stock from being at the lowest point of this the Palomas ranch, across the bash. Abrupt mountain ranges The surface is remarkably lev border in Mexico, being brought skirt the basin, and it catches the flood waters from the Flori-"Around Deming, N. M., 10 das, the Tres Hermanes, Cook's to the dairy industry. The post has ample fall to irrigate proper miles north of Columbus, the un-range and other mountains. At derflow has been successfully almost any point in the basin Underlying this soil is the hard - pumped and used for irrigation water is found at from 100 to 200 er clay loam of the recent geolog for several years. Not until re feet, and it would not be surpris-The climatic conditions in the ical periods, and it is this condi-cently however, has it been dis ling if an artesian flow were Mimbres Valley make it an ideal tion which makes the Mimbres covered that the best source of struck before long. The district residence section and the social Valley most ideal from an irriga- supply lay nearest the Mexican is so new that the people do not

"There is at hand about 100,000 such districts, of course, is to "On the A. O. Bailey ranch use too much water, but the inexperienced irrigationists soon learn the lesson of economy

"The cost of drilling a well and flow of 1,800 gallons a minute, installing a pumping plant runs from \$1,200 to \$1,500, according to depth of well. The Pierce ranch was bought by its present

Centinued on Page 6: